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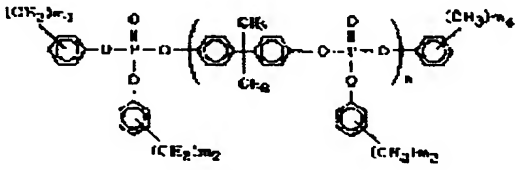
(54) FLAME-RETARDANT THERMOPLASTIC RESIN COMPOSITION

(57)Abstract:
PROBLEM TO BE SOLVED: To obtain a flame-retardant resin composition which has an excellent molding flow and can give a molding having an excellent flame retardancy and heat resistance and persistent stabilized flame retardancy and deforming little even under high-temperature high-humidity conditions by mixing a mixture comprising a polycarbonate resin and a polyester resin with a limited organophosphorus flame retardant and a stabilized red phosphor flame retardant in a specified ratio.



SOLUTION: This composition comprises 100 pts.wt. mixture comprising a polycarbonate resin (A) and a thermoplastic polyester resin (B) in a ratio of 85/15 to 50/50 by weight, 1-11 pts.wt. organophosphorus flame retardant (C) represented by the formula (wherein m1, m2, m3 and m4 are each 0-2; and n is 1-15) and 0.05-5 pts.wt. stabilized red phosphorus flame retardant (D). Component A is desirably made from bisphenol A and has desirably a viscosity-average molecular weight of 18.000-35.000. Component B used is exemplified by polyethylene terephthalate. An example of component C is bisphenol A poly(diglycidyl) phosphate. Component D is exemplified by red phosphorus coated with e.g. a thermosetting resin.